

| Normal Proposals | | | | | | | |
|------------------|---|-------------------|--------------------|------------------------------------|---------------------------|----------------------|-------|
| Proposal ID | Title | PI | Country | Category | Approved Target | Approved Time [ksec] | Grade |
| 1620001 | Regular and frequent INTEGRAL monitoring of the Galactic Bulge region | Kuulkers | Spain | Galactic Astronomy | Galactic Bulge region | 554 | A |
| 1620016 | Nucleosynthesis in supernovae, positron containment, and particle acceleration, in Cas A and Tycho SNRs | Diehl | Germany | Nucleosynthesis and diff. emission | Cas A / Tycho region | 3000 | A |
| 1620021 | TIMELESS: The INTEGRAL Medium-Latitude Sky Survey | Bodaghee | USA | Nucleosynthesis and diff. emission | Inner Galaxy mid-latitude | 1000 | A |
| 1620023 | Monitoring the Galactic Centre Region: An INTEGRAL Legacy | Wilms | Germany | Galactic Astronomy | Sgr A* | 2000 | A |
| 1620024 | Continued Monitoring of the Polarization of Cygnus X-1 | Wilms | Germany | Galactic Astronomy | Cyg X-1 | 1000 | A |
| 1620026 | Massive Stars in the Perseus Region | Siebert | Germany | Nucleosynthesis and diff. emission | Perseus region | 1000 | A |
| 1620004 | Monitoring the (potential) activity of the Aquila region black hole X-ray binaries | Rodriguez | France | Galactic Astronomy | BH binaries from list | (DR) | B |
| 1620005 | Monitoring the (potential) activity of the Cygnus region black hole X-ray binaries | Rodriguez | France | Galactic Astronomy | BH binaries from list | (DR) | B |
| 1620007 | Broad band spectroscopy of GRS 1758-258 in its rare soft state: Triggering the TOO Observations | Hirsch | Germany | Galactic Astronomy | GRS 1758-258 | (DR) | B |
| 1620008 | Peering through accretion-ejections mechanisms with an INTEGRAL/multi-wavelength GRS 1915+1015 monitoring program | Rodriguez | France | Galactic Astronomy | GRS 1915+105 | 450 | B |
| 1620009 | INTEGRAL monitoring of the Galactic population of X-ray bursters | Sanchez-Fernandez | Spain | Galactic Astronomy | X-ray bursters from list | (DR) | B |
| 1620010 | The evolution of XTE J1701-462 from A to Z (Data Rights Proposal) | Paizis | Italy | Galactic Astronomy | XTE J1701-462 | (DR) | B |
| 1620011 | INTEGRAL monitoring of Long X-ray Bursts | Chenevez | Denmark | Galactic Astronomy | X-ray bursters from list | (DR) | B |
| 1620013 | Monitoring Known Black Hole Binaries in the Galactic Center | Grinberg | Netherlands | Galactic Astronomy | BH binaries from list | (DR) | B |
| 1620015 | Keeping watch over our Galaxy - GPS6 | Bazzano | Italy | Galactic Astronomy | Norma + Scutum regions | 2300 | B |
| 1620017 | Massive Stars in the Orion Region | Diehl | Germany | Nucleosynthesis and diff. emission | Orion region | 2000 | B |
| 1620019 | Monitoring the hard X-ray behavior of the exceptional microquasar Cygnus X-3 | Grinberg | Netherlands | Galactic Astronomy | Cyg X-3 | (DR) | B |
| 1620029 | INTEGRAL synergy with Spectrum-Roentgen-Gamma: a census of obscured AGN | Mereminskiy | Russian Federation | Extragalactic Astronomy | M81 field | 1250 | B |
| 1620006 | Monitoring the cyclotron line energy in Hercules X-1: is there a turn-up after the long decay? | Staubert | Germany | Galactic Astronomy | Her X-1 | 200 | C |
| 1620018 | Searching for cyclotron lines in Supergiant Fast X-ray Transients | Sidoli | Italy | Galactic Astronomy | SFXT from list | (DR) | C |
| 1620022 | Broad view on high energy Galactic background: "Galactic Center" | Sunyaev | Russian Federation | Nucleosynthesis and diff. emission | l=0, b=0 + off position | 2000 | C |
| 1620027 | Probing the disc-jet coupling in the neutron star low-mass X-ray binary Sco X-1 | Motta | United Kingdom | Galactic Astronomy | Sco X-1 | 215 | C |
| 1620028 | Galactic Center Field: Deep Exposure in AO-16 | Grebenev | Russian Federation | Galactic Astronomy | Galactic Centre field | 2000 | C |

Note: Proposals marked with (DR) have no direct observing time, but will be amalgamated with other proposals, as possible, to obtain data rights.



Target of Opportunity & GRB proposals

| Proposal ID | Title | PI | Country | Category | Approved Target | Approved Time [ksec] | Grade |
|-------------|---|-----------------|--------------------|------------------------------------|---------------------------------|----------------------|---------|
| 1640003 | Unveiling the Physics of Type Ia Supernovae | Isern | Spain | Nucleosynthesis and diff. emission | SN Ia | 3000 | A (TOO) |
| 1640008 | Radioactivity gamma rays from SN Ia | Diehl | Germany | Nucleosynthesis and diff. emission | SN Ia | (Note 2) | A (TOO) |
| 1640016 | INTEGRAL ToO observations of radioactivity lines in classical novae | Hernanz | Spain | Nucleosynthesis and diff. emission | Classical nova | 4000 | A (TOO) |
| 1640017 | High energy emission from Galactic black hole transients when the compact jet turns on | Kalemci | Turkey | Galactic Astronomy | BH transient from list | 340 | A (TOO) |
| 1640026 | Identifying and Characterizing X- and Gamma-ray Counterparts of Gravitational Wave Sources with INTEGRAL and XMM-Newton | Gotz | France | Extragalactic Astronomy | GW event | 2500 | A (TOO) |
| 1640001 | Measuring the High Energy Emission of Millisecond X-Ray Pulsars in Outburst | Tsygankov | Finland | Galactic Astronomy | msXRP from list | 340 | B (TOO) |
| 1640006 | Studying Black Hole Transients in Outbursts from Radio to Gamma-rays | Rodriguez | France | Galactic Astronomy | BH transient from list | 340 | B (TOO) |
| 1640007 | The evolution of XTE J1701-462 from A to Z (ToO proposal) | Paizis | Italy | Galactic Astronomy | XTE J1701-462 | 250 | B (TOO) |
| 1640009 | A ToO Multifrequency Campaign with INTEGRAL on 3C 279: New Challenges for the Jet Physics | Bottacini | Italy | Extragalactic Astronomy | 3C 279 | 600 | B (TOO) |
| 1640013 | Follow-up of the unique radio-weak BL Lac J1544-0649 | Bruni | Italy | Extragalactic Astronomy | J1544-0649 | 500 | B (TOO) |
| 1640014 | ToO INTEGRAL and XMM-Newton observations of the repeating fast radio burst FRB 121102 | Gouiffes | France | Extragalactic Astronomy | FRB 121102 | 500 | B (TOO) |
| 1640015 | New cyclotron lines in transient pulsars | Kreykenbohm | Germany | Galactic Astronomy | NS transient from list | 400 | B (TOO) |
| 1640018 | Tidal disruption events caught by INTEGRAL | Panessa | Italy | Extragalactic Astronomy | Tidal Disruption Event | 200 | B (TOO) |
| 1640019 | INTEGRAL prompt observations of magnetar outbursts | Gotz | France | Galactic Astronomy | 1 magnetar in outburst | 340 | B (TOO) |
| 1640021 | Studying the connection between the circumstellar disk and the accretion rate for the Be/XRB system H 1145-619 | Alfonso-Garzon | Spain | Galactic Astronomy | H1145-619 | 400 | B (TOO) |
| 1640023 | Proposal for INTEGRAL ToO observations of IceCube neutrinos | Savchenko | Switzerland | Extragalactic Astronomy | HESE/EHE Icecube neutrino event | 600 | B (TOO) |
| 1640027 | Multiwavelength Spectral Variability of Very-High-Energy Blazar Outbursts detected by FACT | Kreikenbohm | Germany | Extragalactic Astronomy | Mrk 501, Mrk 421 or 1ES | 500 | B (TOO) |
| 1640030 | Unveiling swings of transitional millisecond pulsars to the accretion state with XMM-Newton and INTEGRAL | Papitto | Italy | Galactic Astronomy | Candidate tMSP | 510 | B (TOO) |
| 1640031 | Study of Close Supernovae with INTEGRAL in AO-16 | Grebenev | Russian Federation | Nucleosynthesis and diff. emission | Core-collapse SN | 2000 | B (TOO) |
| 1640004 | A multi-wavelength campaign to observe a bright black hole transient in transition | Belloni | Italy | Galactic Astronomy | BH transient from list | 680 | C (TOO) |
| 1640020 | Measuring the polarization of Gamma-Ray Bursts with INTEGRAL | Gotz | France | Extragalactic Astronomy | Gamma-ray burst | | GRB |
| 1640025 | Proposal for immediate access to the INTEGRAL data during multi-messenger transients | Savchenko | Switzerland | Extragalactic Astronomy | GW event, neutrino event, FRB | | GRB |
| 1640033 | Spectral and temporal behaviour of GRBs observed by INTEGRAL | Martin-Carrillo | Ireland | Extragalactic Astronomy | Gamma-ray burst | | GRB |

Note 1: For several TOO proposals, the approved time is an upper limit depending on the results of the observations or is the sum of the granted triggers.

Note 2: Proposals 1640003 and 1640008 will share the same observations

