

**HIL PAC recommendations for the beam-time allocation in the year 2024,  
HIL PAC Meeting 15th of January 2024.**

Proposal0	Spokes- persons	Title and requested beam	8-hour shifts	
			requested	recommended
HIL117	K. Miernik	<i><sup>144</sup>Dy fission studies</i> beam: <b><sup>32</sup>S (200 MeV)</b> ; setup: <b>EAGLE + DIAMANT</b>	21	21
HIL119	J. Heery / J. Henderson	<i>Coulomb excitation of <sup>34</sup>S</i> beam: <sup>34</sup> S (92 and 129 MeV); setup: EAGLE + DSSSD	21	21
HIL120	C. Liu / S. Y. Wang	<i>Search for the new chiral nucleus in the 80 mass region: <sup>72</sup>As</i> beam: <b><sup>11</sup>B (50 MeV)</b> ; setup: <b>EAGLE</b>	36	36
HIL121	J. Perkowski	<i>Test of new magnetic selector and digital electronics system for ULESE spectrometer</i> beam: <b><sup>14</sup>N (90 MeV)</b> ; setup: <b>EAGLE + ULESE</b>	7	7
HIL122	N. S. Martorana / E. Geraci	<i>T-INSIDE (Timing Investigation in SiC Detectors)</i> beam: <b><sup>12</sup>C (80 - 90 MeV)</b> ; setup: ICARE	10	10
HIL123	B. Gnoffo	<i>MoReNA Test (Molecular states Resolution with NarCoS)</i> beam: <b><sup>13</sup>C (80 – 90 MeV)</b> ; setup: <b>ICARE</b>	14	14
HIL124	A. Nałęcz-Jawecki	<i>Search for transition between chiral and non-chiral configuration in <sup>128</sup>Cs by lifetime measurement of I=11<sup>+</sup>, 12<sup>+</sup> states with a plunger technique</i> beam: <b><sup>22</sup>Ne (85 – 90 MeV)</b> ; setup: <b>EAGLE + LEPS + Plunger</b>	36	36
HIL126	I. Kuti	<i>Search for candidate wobbling bands in <sup>103</sup>Pd and in <sup>101</sup>Ru</i> beam: <b><sup>12</sup>C (69 MeV)</b> ; setup: <b>EAGLE + NEDA + DIAMANT</b>	42	42
HIL127	A. Fijałkowska / G. Jaworski	<i>The discovery of excited states in very neutron deficient europium nuclei</i> beam: <b><sup>40</sup>Ca (180 - 190 MeV)</b> ; setup: <b>EAGLE + NEDA + DIAMANT</b>	45	45
HIL129	G. Jaworski / A. Fijałkowska	<i>The discovery of excited states in very neutron deficient <sup>63</sup>Ge nucleus</i> beam: <b><sup>40</sup>Ca (100 - 110 MeV)</b> ; setup: <b>EAGLE + NEDA + DIAMANT</b>	45	45

HIL128 Lol, Th. Kroell, A. Spacek: PAC strongly supports and encourages the Letter of Intent "Fast Timing at Heavy Ion Laboratory". This project opens a new research direction at HIL.