

OST Killer Apps - Vote 2

June 12 2017

Sorted by Average Score --> Rank

Science Case - Number and Title	Score	Std. Dev.	Rank	Min	Max	Range
19: The Rise of Metals	9.27	1.10	1	6	10	4
14: Biosignatures of Transiting Exoplanets **revamped**	9.20	1.01	2	7	10	3
27: The First Dust	9.07	0.80	3	7	10	3
9: Water Content of Planet-Forming Disks	8.20	1.90	4	2	10	8
21: Connection Between Black Hole Growth and Star Formation Over Cosmic Time	7.87	1.73	5	4	10	6
15: Direct Detection of Protoplanetary Disk Masses	7.80	1.61	6	4	10	6
26: Birth of Galaxies During Cosmic Dark Ages	7.80	1.90	7	5	10	5
18: Galaxy Feedback from SNe and AGN to z~3	7.33	1.95	8	3	10	7
30: Survey of Small Bodies in the Outer Solar System	7.27	1.58	9	4	10	6
16: Direct Imaging of Exoplanets **revamped**	6.93	1.58	10	5	10	5
22: Star Formation and Multiphase ISM at Peak of Cosmic Star Formation	6.93	1.87	11	4	9	5
29: Thermo-Chemical History of Comets and Water Delivery to Earth	6.87	2.13	12	4	10	6
5: Galaxy Feedback Mechanisms at z<1	6.80	1.70	13	4	9	5
4: Water Transport to Terrestrial Planetary Zone	6.67	1.84	14	3	10	7
13: Frequency of Kuiper Belt Analogues	6.47	2.03	15	3	10	7
24: Feedback on All Scales in the Cosmic Web	6.47	1.73	16	2	9	7
7: Magnetic Fields and Turbulence - Role in Star Formation	6.07	2.46	17	2	9	7
New#1 The EBL (extra-galactic background light) with OST	5.93	1.71	18	3	9	6
New#2: Determining the cosmic-ray flux in the Milky Way and nearby galaxies	5.87	2.53	19	1	9	8
17: Episodic Accretion in Protostellar Envelopes and Circumstellar Disks	5.40	1.76	20	1	8	7
8: Formation and History of Low-Mass Ice Giant Planets	5.33	2.47	21	1	10	9
32: Find Planet IX	5.27	2.43	22	2	10	8
New#3: Fundamental of dust formation around evolved stars	5.13	1.96	23	2	9	7
New#4: The dynamic interstellar medium as a tracer of galactic evolution	5.07	2.02	24	3	7	4
New#5: Probing magnetic fields with fine structure lines	5.00	2.57	25	1	10	9