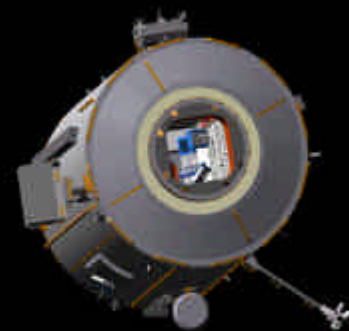
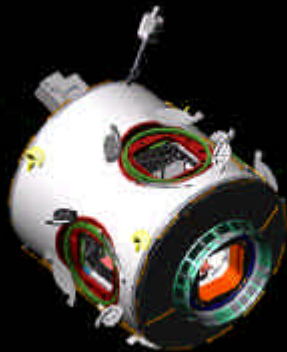
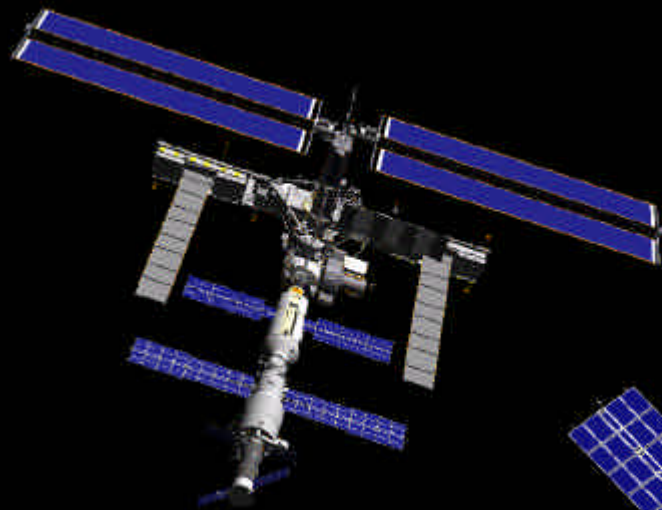


Status of Modeling for the Matroshka Experiment

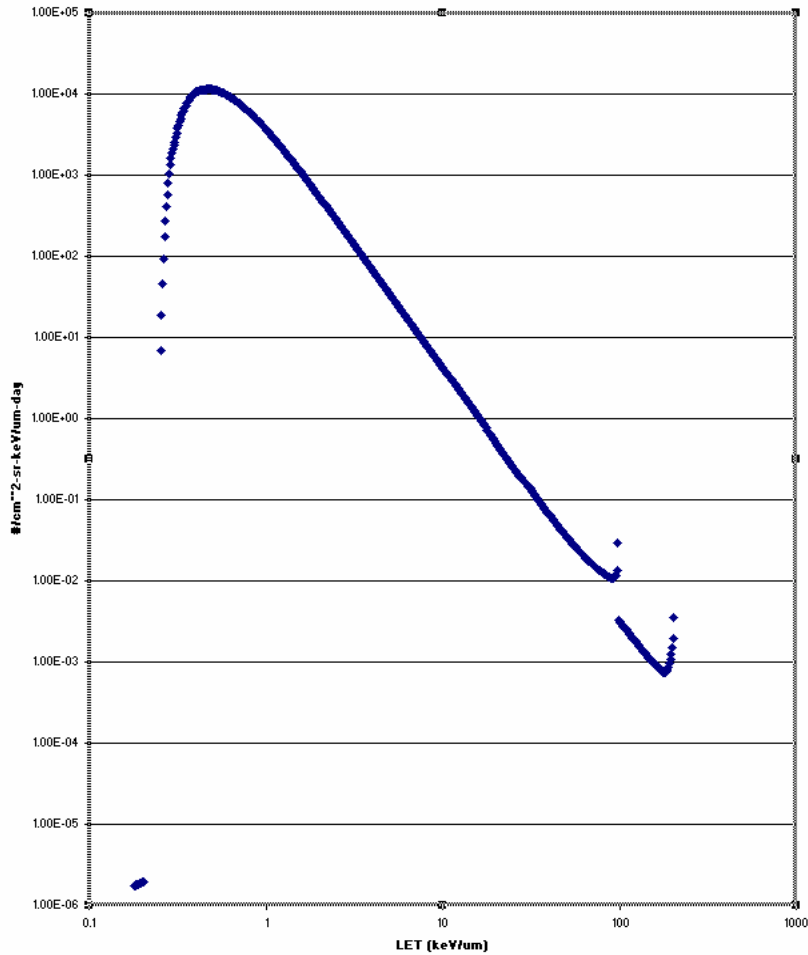
Neal Zapp
Gunther Reitz

Thanks

M. Golightly, M. Weyland, E. Semones,
T. Shelfer, F. A. Cucinotta, G. Qalls,
J. W. Wilson, M. Shavers, J. Dory,
Hideyuki Miyata



Trapped LET Spectrum - DosTel



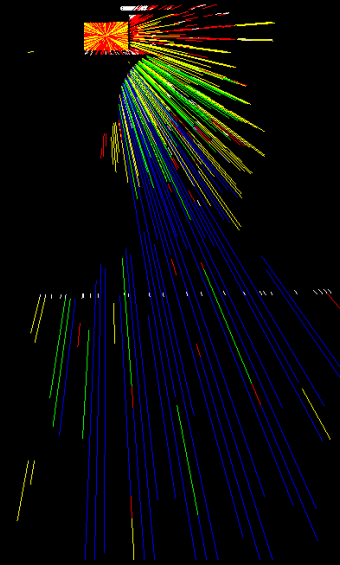
Trapped Dose: 219 uGy/day

GCR Dose: 277 uGy/day

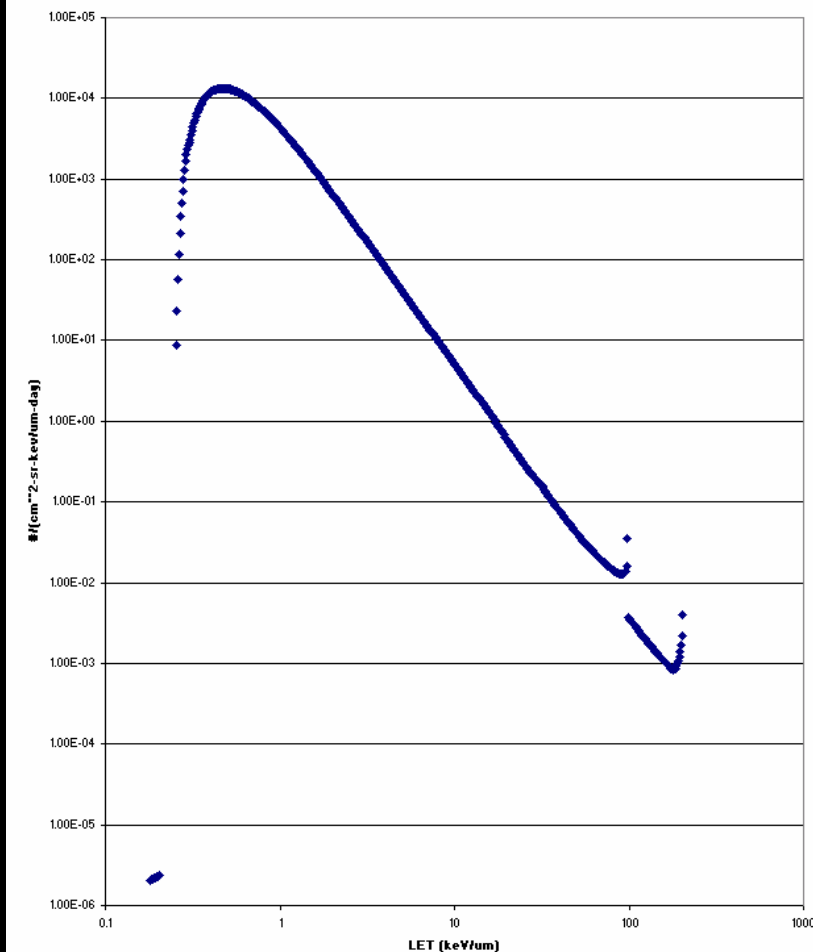
Trapped $\bar{Q}(D)$: 1.41

GCR $\bar{Q}(D)$: 3.7

Total Q : 2.69



Trapped LET Spectrum - TEPC



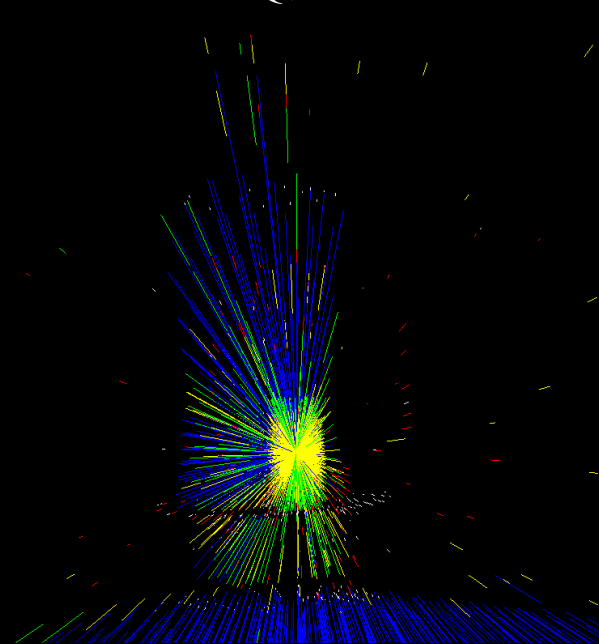
Trapped Dose: 178 uGy/day

GCR Dose: 249 uGy/day

Trapped $\bar{Q}(D)$: 1.47

GCR $\bar{Q}(D)$: 3.87

Total Q: 2.87



Passive and Internal Active

<u>Location</u>	<u>Dose</u>	<u>Dose Eq. (60)</u>
OSL\TLD	485	1340
Active Eye	476	1360
Passive Eye	474	1334
Active Lung	344	921
Passive Lung	346	928
Active Stomach	339	811
Passive Stomach	348	836
Active Kidney	388	1102
Passive Kidney	390	1105
Active Intestine	290	740
Passive Intestine	294	753

Forward Work

- Timing and Trajectory
- Attitude and Anisotropy
- e^- 's
- Quantities