

# MagEIS Sample Mode Energy Channels

- In sample mode, up to three channels can be output from the Low and Med spectrometers at high sample rates/spin
- The energy channels are obtained by combining the outputs from one or more pixels
  - The channels are defined by Look-Up-Tables and can be changed
- The plan is one Low and one Med would be run in sample mode with the second Med unit in normal mode when sample mode is enabled

Nominal MagEIS High-Rate Channels (Current LUTs)

MagEIS Low

CH	# Pixels	Nominal Energy, keV
0	2	20 - 47
1	2	45 - 93
2	3	95 - 188

MagEIS Med

CH	# Pixels	Nominal Energy, keV
0	2	114 - 190
1	3	193 - 496
2	4	487 - 1010