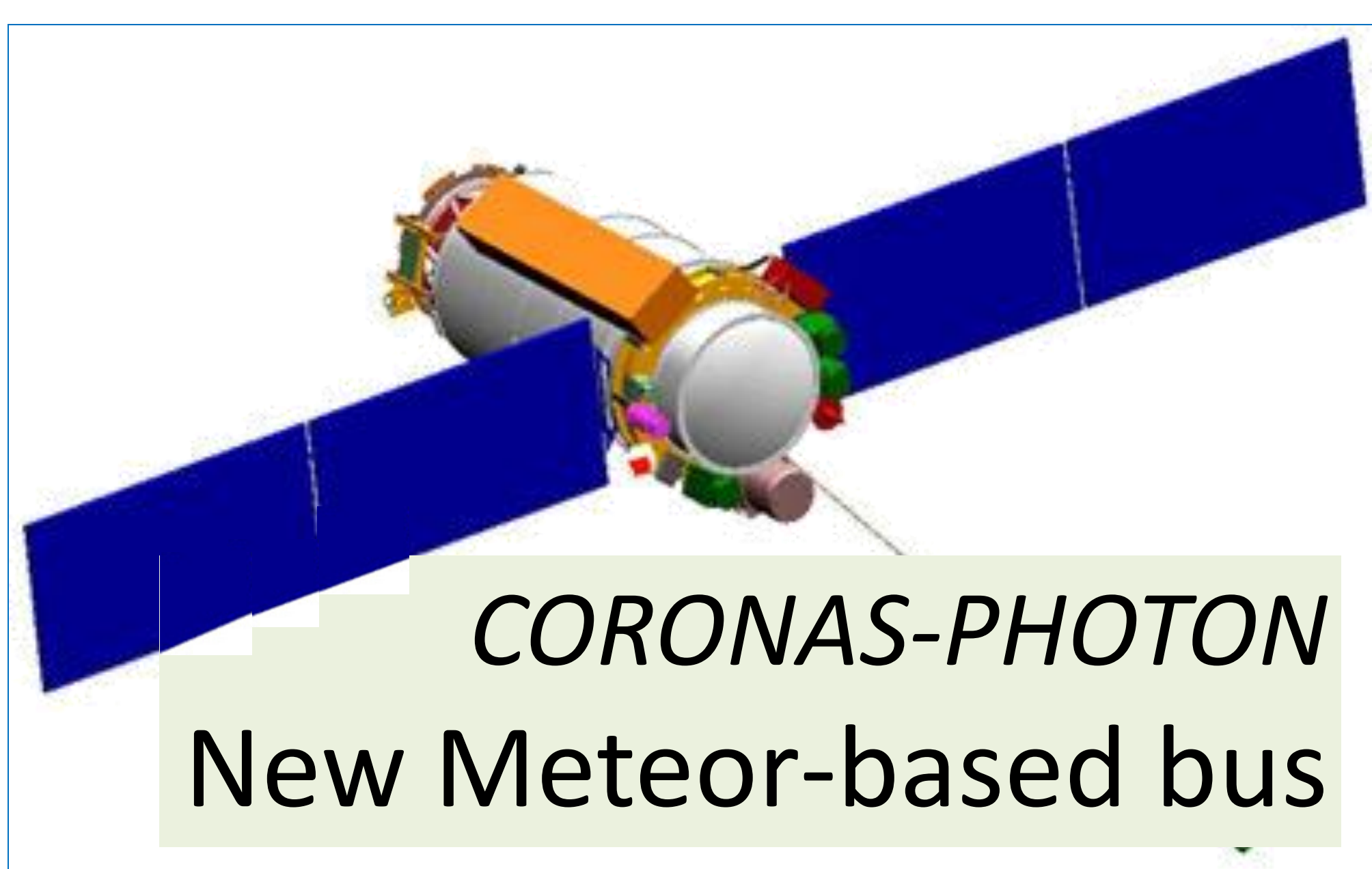


SphinX: High-sensitivity soft X-ray spectrophotometer aboard CORONAS-PHOTON: the performance and first results



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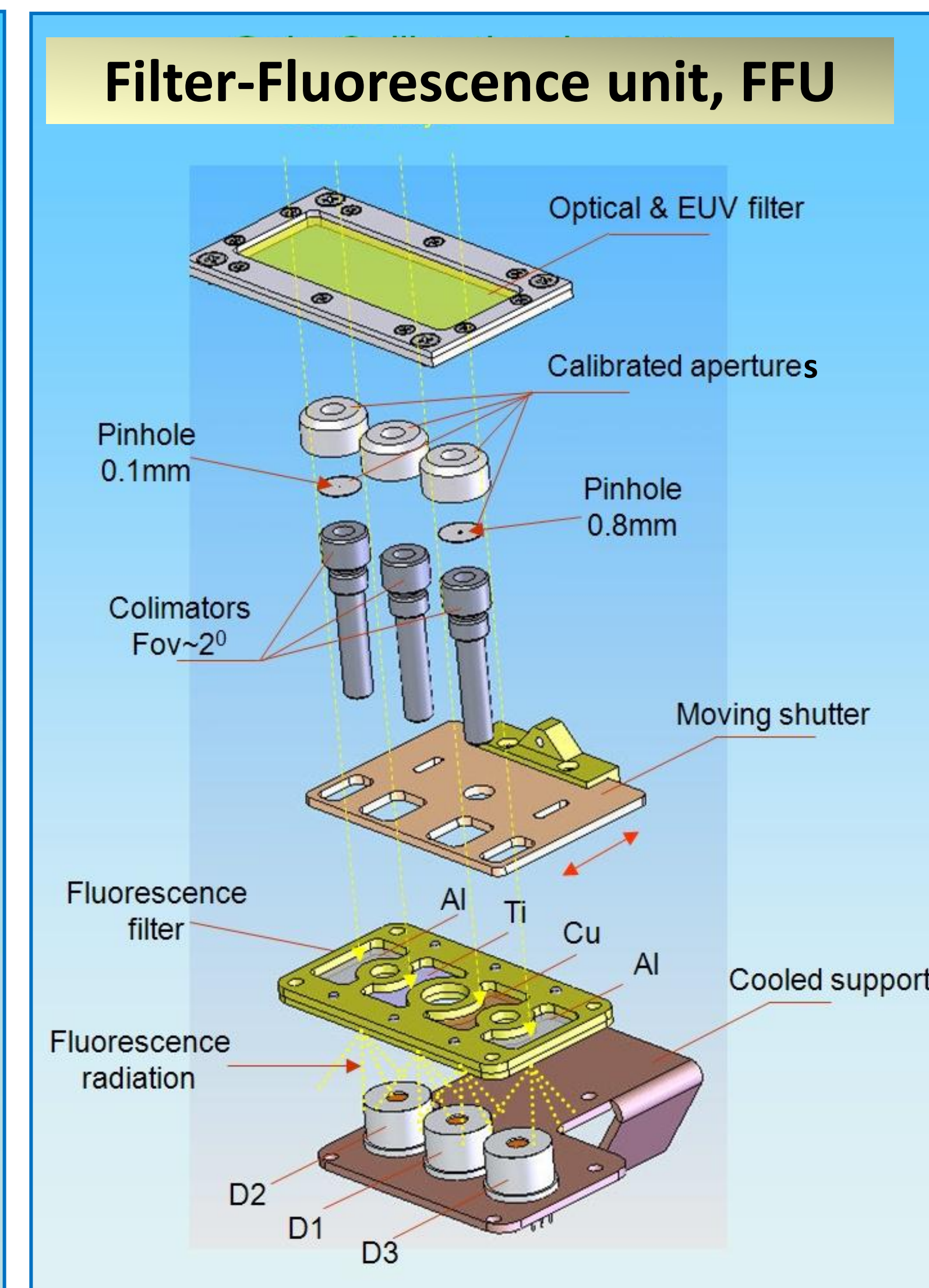
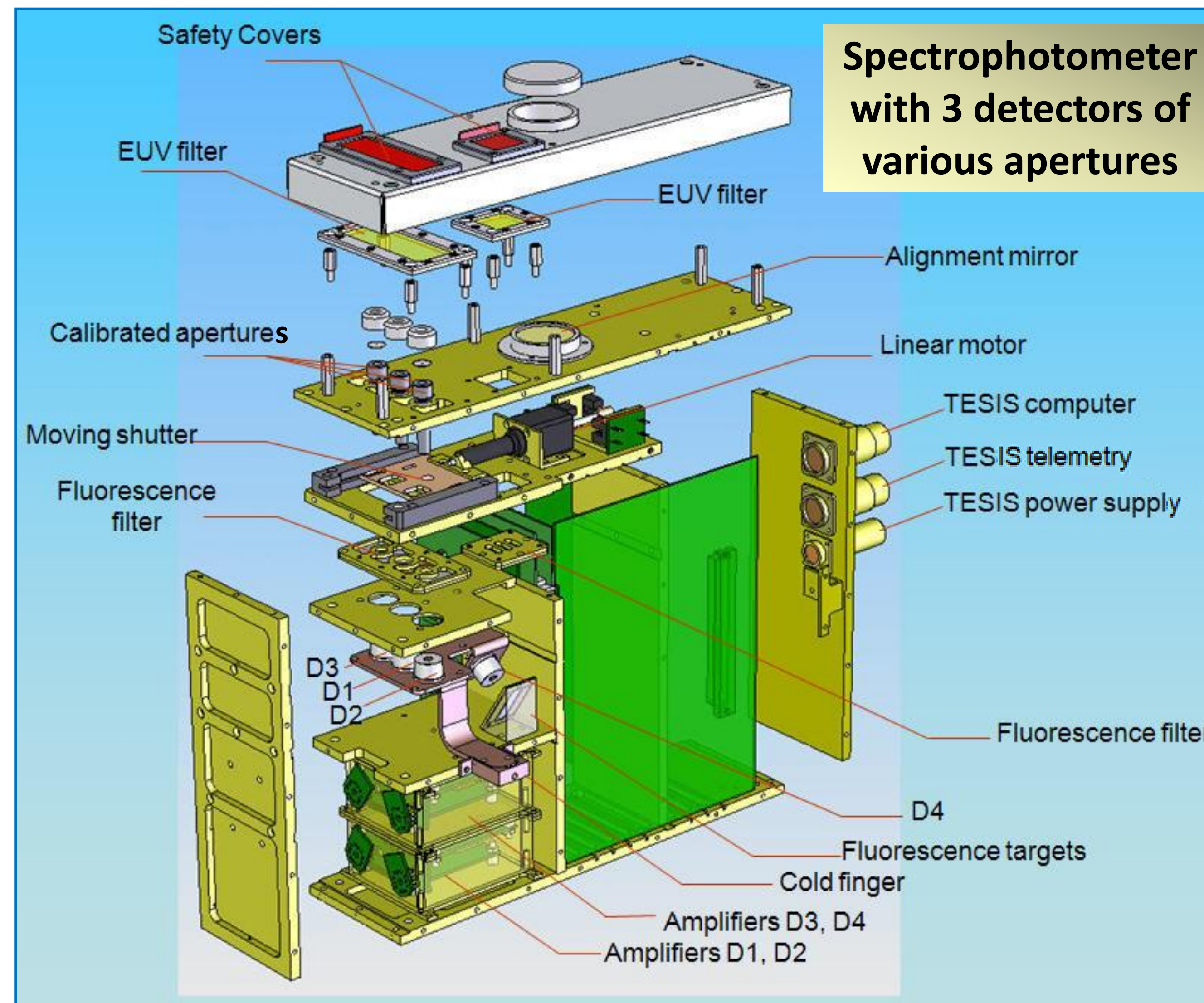
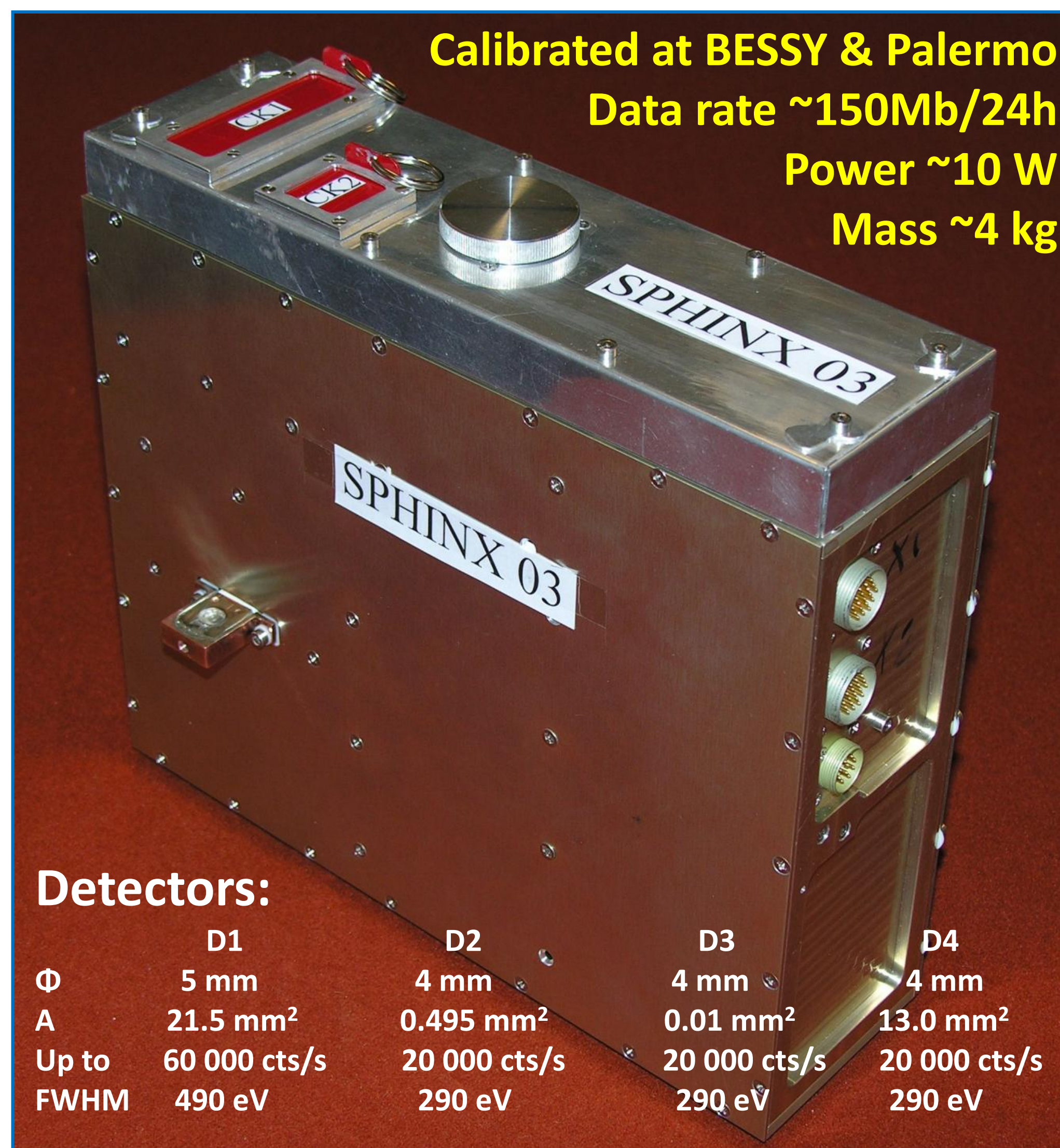
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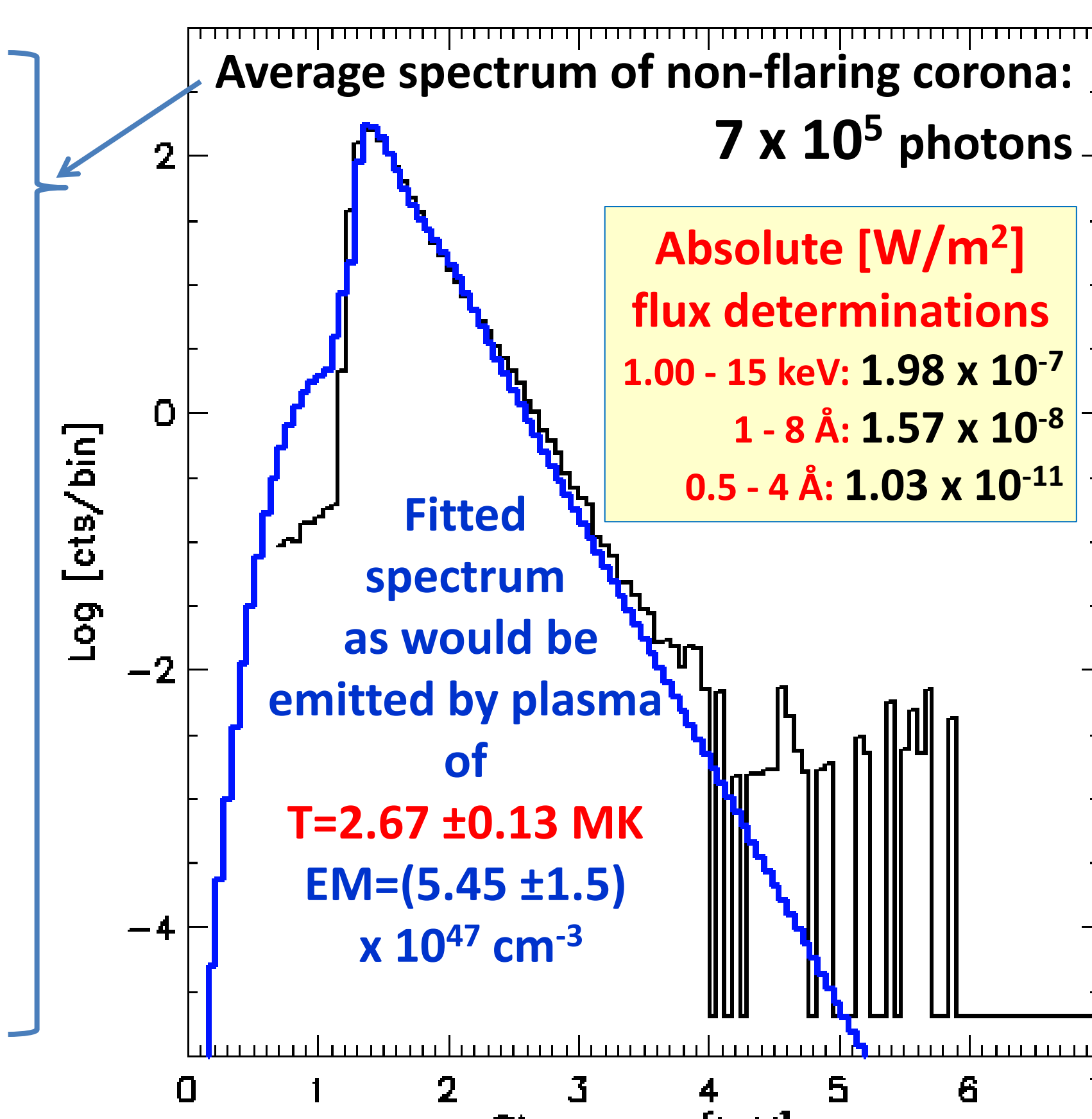
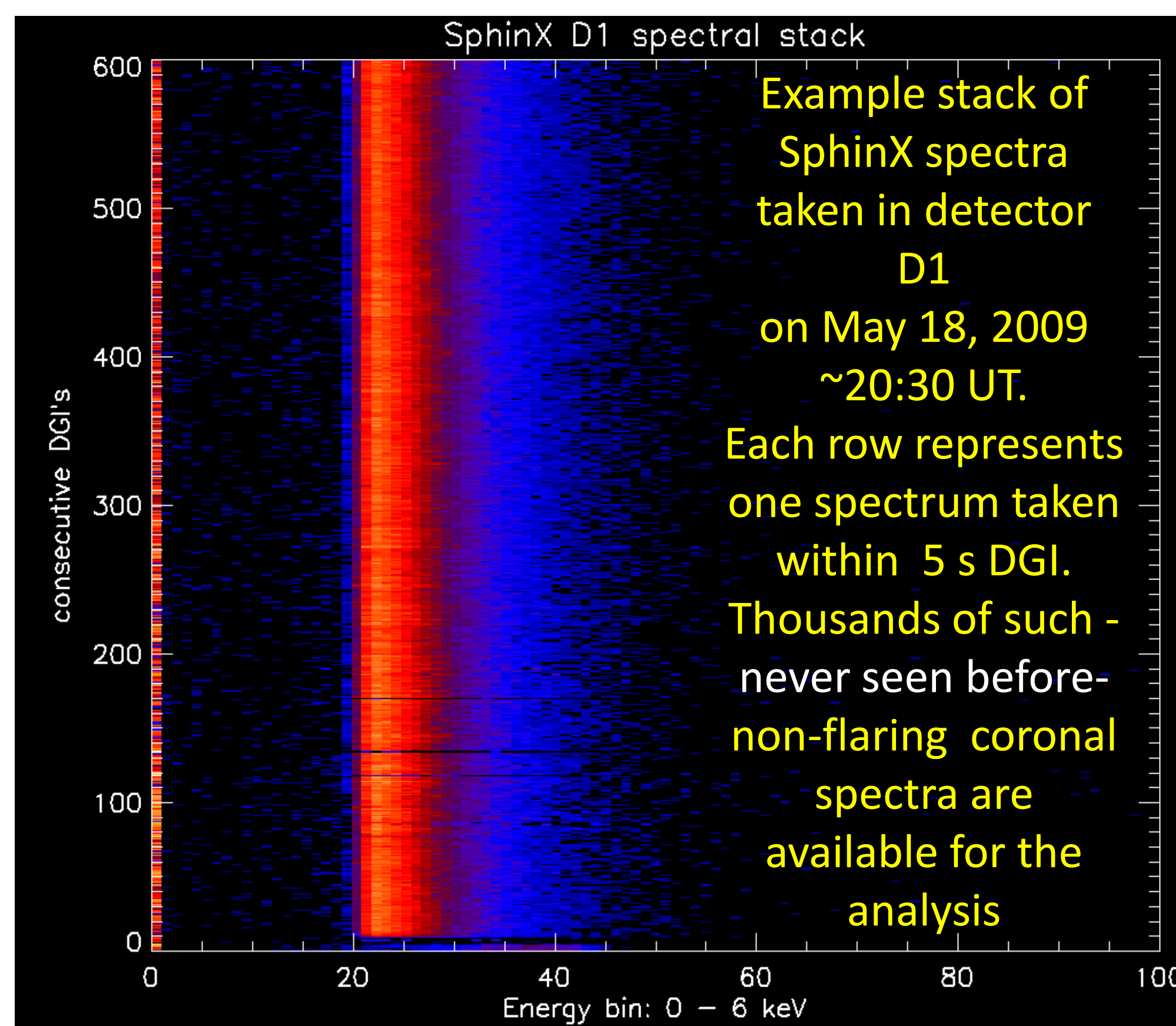
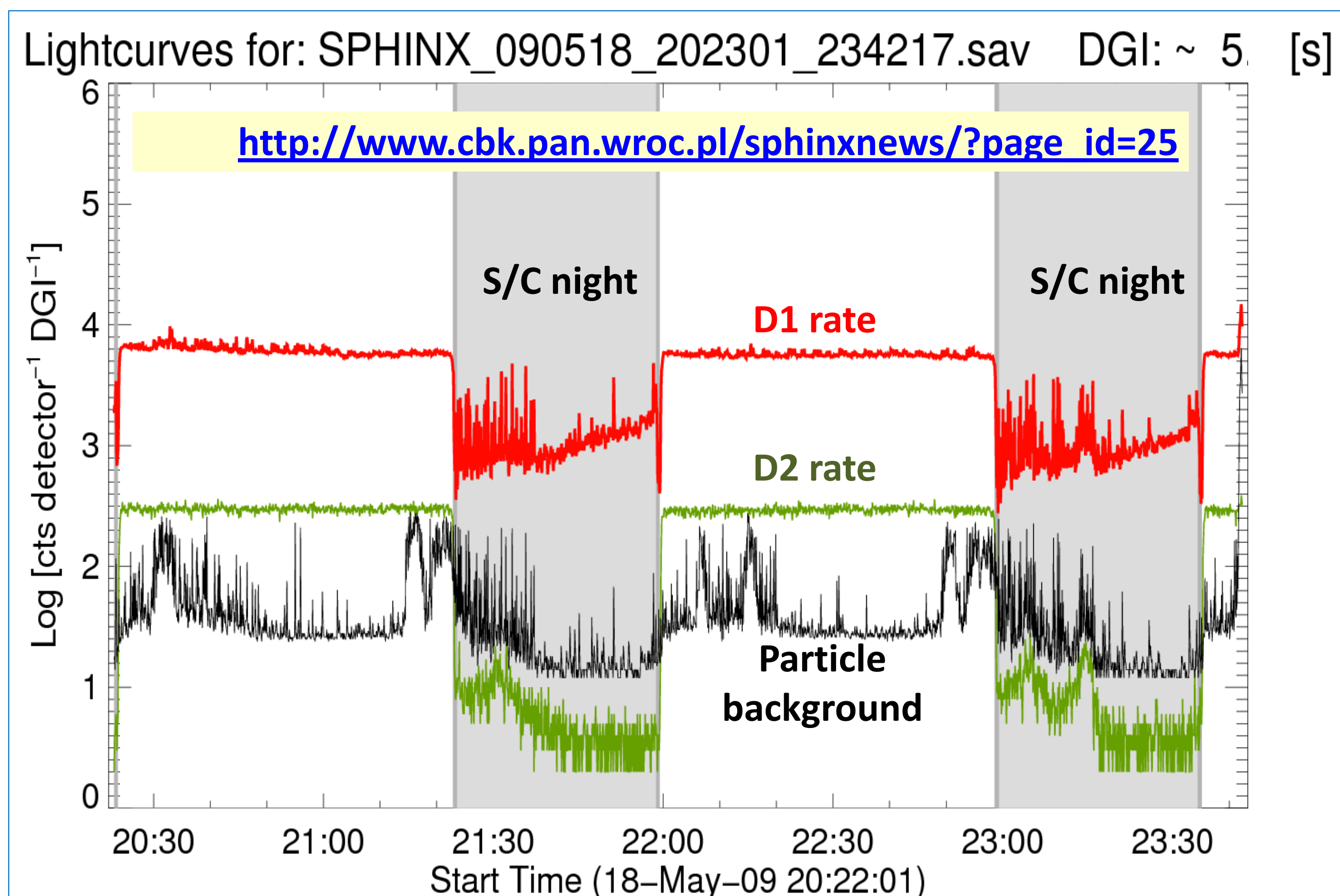
A new-design Polish-led soft X-ray spectrophotometer is placed within the TESIS instrument aboard CORONAS-PHOTON, Solar Mission run by dr. Yury Kotov, MEPHI, Moscow. TESIS has been constructed at P.N. Lebedev Institute, Moscow



SphinX is aimed to measure soft X-ray spectra of the quiet corona as well as the most powerful flares in the energy range 0.8 - 15 keV with energy resolution of 0.3 keV and time resolution down to 2 μ s.



Since February 20, 2009 SphinX has collected ~50 GB of measurements. Over three months more than 180 flares have been seen, most of them below detection thresholds of the other instruments like GOES or RHESSI.



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