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**An x-ray spectropolarimeter** NINO PEREIRA, Ecopulse, Inc, ELENA BARONOVA, Kurchatov Institute, Moscow, Russia — Polarized x-rays are usually measured one polarization direction at the time, with techniques that suppress the other polarization direction such as Bragg reflection under 45 degrees. However, for many photon energies it is possible to see both polarization directions at the same time, by asymmetric reflections off specially cut Bragg crystals. This paper expands on the first publication of this approach by Baronova et al. in 2001, and highlights its possible use in diagnostics of vacuum spark, z-pinch and laser-produced plasmas.

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