



## SEPServer results on solar energetic particle release times

Olga Malandraki and the SEPServer Consortium Team

National Observatory of Athens, [omaland@astro.noa.gr](mailto:omaland@astro.noa.gr), Athens, Greece ([omaland@astro.noa.gr](mailto:omaland@astro.noa.gr))

We have established a list of 115 solar energetic particle events for the years 1996-2010. We have determined proton (electron) release times from the Sun using velocity dispersion analysis (time shifting analysis) and compared the release times with the electromagnetic emissions from the Sun during the anticipated particle release. A number of events have also been analysed using simulation-based inversion methods, which eliminate the effects of interplanetary transport in an objective way. In this paper, we will present the results of release time analysis and compare the different types of analysis methods with each other.