



Contribution ID: 89

Type: poster

Seasonal variation of the muon flux seen by muon telescope MUSTANG

Tuesday, 6 September 2016 16:30 (1h 45m)

Muon telescope MUSTANG was elaborated in Greifswald University, and worked there during the period from 2007 to 2015. In July 2015 it was removed to Kiel University where it operates up to the present time. The geometrical response of the instrument as well as the corresponding asymptotic directions in accordance with the new location has been investigated. Accumulated data from this detector for more than one year allow us to study the meteorological effect of recorded muon components and investigate stability of this detector for the whole and for the last periods of operation.

Primary author: Dr BANJAC, Sasa (Christian-Albrechts-Universität zu Kiel)

Co-authors: Dr ABUNIN, Artem (IZMIRAN); Prof. HEBER, Bernd (Christian-Albrechts-Universität zu Kiel); Dr WALLMANN, Carsten (Christian-Albrechts-Universität zu Kiel); Dr GALSDORF, Dennis (Christian-Albrechts-Universität zu Kiel); Dr HERBST, K. (Christian-Albrechts-Universität zu Kiel); Mrs BERKOVA, Marina (IZMIRAN); Dr GANEVA, Marina (Forschungszentrum Jülich GmbH, Jülich Centre for Neutron Science); Dr ZAZYAN, Mary (Yerevan Physics Institute); Dr YANKE, Victor (IZMIRAN)

Presenter: Mrs ABUNINA, Mariia (IZMIRAN)

Session Classification: Poster