



Contribution ID: 67 Contribution code: S09-TMCP-104

Type: Oral presentation

## Sasaki–Ricci flow and on Sasaki-Einstein spaces $T^{1,1}$ and $Y^{p,q}$

We are concerned with completely integrable Hamiltonian systems and generalized action-angle coordinates in the setting of contact geometry. We investigate the deformations of the Sasaki–Einstein structures, keeping the Reeb vector field fixed, but changing the contact form. We examine the modifications of the action-angle coordinates by the Sasaki–Ricci flow. We then pass to the particular cases of the contact structures of the five-dimensional Sasaki–Einstein manifolds  $T^{1,1}$  and  $Y^{p,q}$ .

**Primary author:** VISINESCU, Mihai (National Institute for Physics and Nuclear Engineering, Magurele, Romania)

**Presenter:** VISINESCU, Mihai (National Institute for Physics and Nuclear Engineering, Magurele, Romania)

**Session Classification:** S09 Theoretical, Mathematical and Computational Physics

**Track Classification:** Scientific Sections: S09 Theoretical, Mathematical and Computational Physics