

SEMINÁŘ OTF ÚJF, ŘEŽ

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**Facts and myths about singularities  
in scattering amplitudes (6D)**

**Abstrakt**

Commonly used various strategies in calculation of resonance parameters from theoretical amplitudes or experimental models often lead to different results and ambiguities. Even basic parameters like mass and width quoted in PDG tables can be not unique. Therefore, systematic and well established approach to this problem is needed and expected.

In this talk fundamental properties of unitary complex scattering amplitudes will be analyzed. Simple and quick method of verification of complex singularities will be proposed. As an example multidimensional structure of poles in pion-pion amplitudes will be presented.

**Seminář se koná ve středu 10. 11. 2010 v 10:30 hod.  
v zasedací místnosti ÚJF Řež**

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