

# Spectroscopic implications from the analysis of processes $\pi\pi \rightarrow \pi\pi, K\bar{K}, \eta\eta, \eta\eta'$

Yu.S. Surovtsev<sup>(a)</sup>, P. Bydžovský<sup>(b)</sup>, R. Kamiński<sup>(c)</sup>, M. Nagy<sup>(d)</sup>

<sup>(a)</sup> Bogoliubov Laboratory of Theoretical Physics, JINR, Dubna 141 980, Russia

<sup>(b)</sup> Nuclear Physics Institute, 25068 Řež near Prague, Czech Republic

<sup>(c)</sup> Institute of Nuclear Physics, PAS, PL 31 342 Cracow, Poland

<sup>(d)</sup> Institute of Physics, SAS, Dúbravská cesta 9, 842 28 Bratislava, Slovakia

The results of analysis of experimental data on the isovector  $P$ -wave of  $\pi\pi$  scattering and on the isoscalar  $S$ - and  $D$ -waves of processes  $\pi\pi \rightarrow \pi\pi, K\bar{K}, \eta\eta, \eta\eta'$  in approaches, based on analyticity and unitarity, are given. Some spectroscopic implications are discussed.

E-mail: surovcev@theor.jinr.ru