

## A dozen of our papers about anti-decouplet

1. **“Exotic anti-decuplet of baryons: Prediction from chiral solitons”**  
D. Diakonov, V. Petrov and M. V. Polyakov  
Z. Phys. A **359**, 305 (1997) [arXiv:hep-ph/9703373]
2. **“On the search for a narrow penta-quark  $Z^+$  baryon in N N interactions”**  
M. V. Polyakov, A. Sibirtsev, K. Tsushima, W. Cassing and K. Goeke  
Eur. Phys. J. A **9**, 115 (2000) [arXiv:nucl-th/9909048]
3. **“On photoexcitation of baryon antidecuplet”**  
M. V. Polyakov and A. Rathke  
Eur. Phys. J. A **18**, 691 (2003) [arXiv:hep-ph/0303138]
4. **“Nonstrange and other unitarity partners of the exotic  $\Theta^+$  baryon”**  
R. A. Arndt, Y. I. Azimov, M. V. Polyakov, I. I. Strakovsky and R. L. Workman  
Phys. Rev. C **69**, 035208 (2004) [arXiv:nucl-th/0312126]
5. **“Notes on exotic anti-decuplet of baryons”**  
M. V. Polyakov  
arXiv:hep-ph/0412274  
*Contributed to Workshop on the Physics of Excited Nucleons (NSTAR 2004), Grenoble, France, 24-27 Mar 2004*
6. **“Mixing and decays of the antidecuplet in the context of approximate SU(3) symmetry”**  
V. Guzey and M. V. Polyakov  
arXiv:hep-ph/0501010  
RUB-TP2-04-14(2005)
7. **“Extraction of radiative decay width for the non-strange partner of  $\Theta^+$ ”**  
Y. I. Azimov, V. Kuznetsov, M. V. Polyakov and I. Strakovsky  
Eur. Phys. J. A **25**, 325 (2005) [arXiv:hep-ph/0506236]
8. **“Photoproduction of the  $\Theta^+$  resonance on the nucleon in a Regge model”**  
H. Kwee, M. Guidal, M. V. Polyakov and M. Vanderhaeghen  
Phys. Rev. D **72**, 054012 (2005) [arXiv:hep-ph/0507180]
9. **“ $K^*$ -couplings for the antidecuplet excitation”**  
Y. I. Azimov, V. Kuznetsov, M. V. Polyakov and I. Strakovsky  
Phys. Rev. D **75**, 054014 (2007) [arXiv:hep-ph/0611238]
10. **“To see the exotic  $\Theta^+$  baryon from interference”**  
M. Amarian, D. Diakonov and M. V. Polyakov  
arXiv:hep-ph/0612150
11. **“Evidence for a narrow N(1685) resonance in eta photoproduction off the nucleon”**  
V. Kuznetsov *et al.*  
Acta Phys. Polon. **B39** (2008) 1949 [arXiv:0807.2316 [hep-ex]]
12. **“New Narrow Nucleon  $N^*(1685)$ ”**  
V. Kuznetsov and M. V. Polyakov  
JETP Letters, **88** (2008) 499 [arXiv:0807.3217 [hep-ph]]