

# ERRATUM

(Received February 23, 2012)

**A. Bialas**

Wounded Constituents

*Acta Phys. Pol. B* **43**, 95 (2012)

The following corrections should be introduced.

(i) The last paragraph of Section 3 should be replaced by:

To make use of this prediction it is necessary to recall the old formula for the number of wounded constituents in a collision of two composite objects [1,2]. Consider a collision of two nuclei  $A$  and  $B$ . For the number  $dw_A$  of wounded constituents of size between  $\delta$  and  $\delta + d\delta$  in  $A$  we have

$$\begin{aligned}\sigma_{AB}(b)dw_A(b; \delta; B) &= AdN_H(\delta) \int d^2s D_A(s) \sigma_{\delta B}(b-s) \\ &\equiv AdN_H(\delta) \hat{\sigma}_{\delta B}(b)\end{aligned}\tag{8}$$

and an analogous formula for  $dw_B$ . Here  $\sigma_{\delta B}(b)$  is the cross-section of one constituent of size  $\delta$  on the nucleus  $B$ ,  $\sigma_{AB}(b)$  is the total (inelastic) cross-section for the  $A$ - $B$  collisions<sup>3</sup>,  $D_A(s)$  is the (transverse) distribution of the nucleons in the nucleus  $A$  normalized to unity, and  $dN_H(\delta)$  is the number of constituents of size between  $\delta$  and  $\delta + d\delta$  in the nucleon<sup>4</sup>.

(ii) In the footnote 4,  $AdN_H(\delta)$  should be replaced by  $AD_A(s)dN_H(\delta)$ .

(iii) In the r.h.s. of Eq. (22),  $\sigma_{\delta A}(b)$  and  $\sigma_{\delta B}(b)$  should be replaced by  $\hat{\sigma}_{\delta A}(b)$  and  $\hat{\sigma}_{\delta B}(b)$ , respectively.

These changes do not affect the results and conclusions of the paper.