

## ROLE OF THERMIC BETA DECAY IN P-NUCLEUS SYNTHESIS

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Role of thermal  $\beta$ -decay of  $\beta$ -stable nuclei in synthesis of  $p$ -nuclei is discussed. In this work quasiequi-librium stage of the massive stars is treated. At the oxygen burning stage temperature reaches  $2 \cdot 10^9$  K and  $\beta$ -decay from excited states become possible. It is shown, that thermal  $\beta$ -decay could be significant for production at least of 20 from 35  $p$ -nuclei and it must be considered in models of explosive synthesis of  $p$ -nuclei.