## UTILIZATION OF THE MAGNET MONOHROMATOR OF THE ISOHRON CYCLOTRON U-240 FOR THE STABLE IONS SEPARATION

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This paper reviews one of the possible variant of the electromagnetic separator for stable isotopes production with analyzing magnet inhomogeneous magnetic field. Detailed beam optical calculations are described for chosen ion-optical scheme of the separator. Results shows that this magnet can be used for isotopes production with excellent efficiency for any ion mass. Factors affecting the separation process – beam parameters, space-charge and aberrations are discussed.