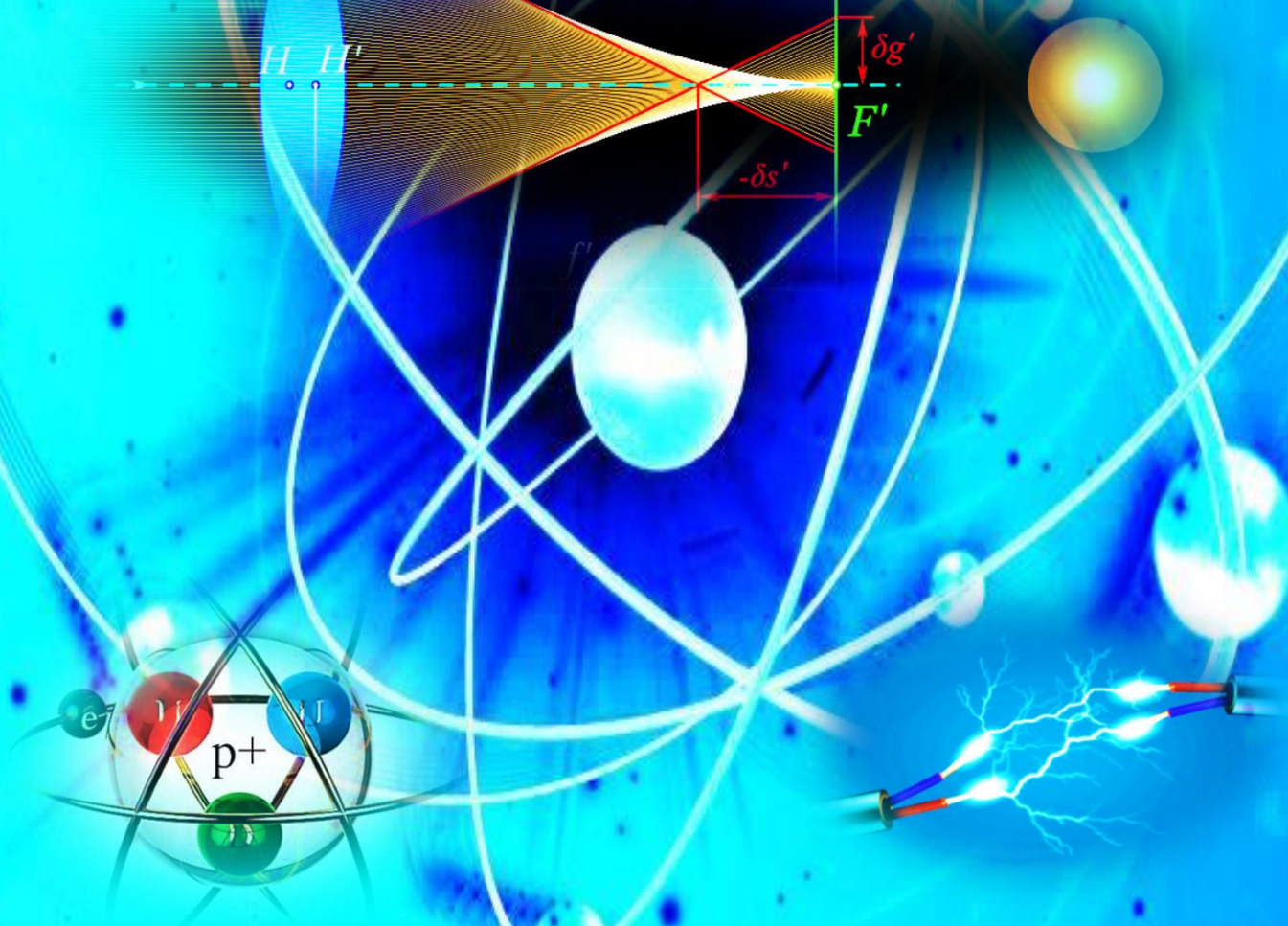


**O'ZBEKISTON RESPUBLIKASI**  
**OLIY VA O'RTA MAXSUS TA'LIM VAZIRLIGI**  
**TOSHKENT TO'QIMACHILIK VA YENGIL SANOAT INSTITUTI**

**ISAYEV X.I. YADGAROV I.D. ULUKMURADOV A.N. XAQQULOV J.M.**  
**O'LJAYEV O'.B.**

**FIZIKA FANIDAN**  
**O'QUV QO'LLANMA**



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