

## عنوان مقاله:

SCRAM INCIDENCE STATISTIC SURVEY IN A RESEARCH nuclear REACTOR CONSIDERING SYSTEM  
HARDWARE and human ERRORS

## محل انتشار:

همایش ملی پژوهش های کاربردی در علوم و مهندسی (سال: 1392)

تعداد صفحات اصل مقاله: 1

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## خلاصه مقاله:

One of the major events in nuclear reactors is scram or immediate emergency shutdown. Qualitative and quantitative study of this event, as well as the main causative factors in evaluating reactor safety is an important point. In this study, safety of Tehran research reactor is assessed probabilistically and the human error possibility is evaluated using SPAR-H method. In this regard, scram fault tree associated with hardware failures and human errors are drawn by using SAPHIR software. The calculated total scram possibility is found to be  $0.1E-3$ .

## کلمات کلیدی:

immediate emergency shutdown, human error, software error, SPAR-H method, SAPHIR software

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/291271>

