

# Global Energy Policy Research | GEPR

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Monday, July 30th, 2012

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100 1000

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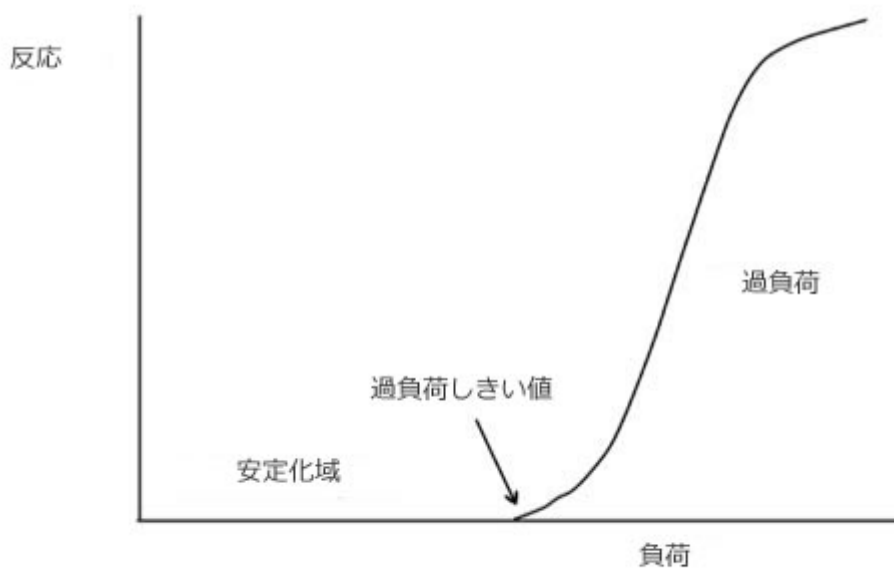
?? 10??? 1 ?????????????????????????????????  
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そして、安定化反応時間がある。

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??1  
????????????100mSv????????????????????????1????100mSv????????????????????????????????  
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??? 2 ?????????????????



? 2????????????

- ???1 ?????40,000 mSv?
- ???1 ?????20,000 mSv?
- ?????????????????????1 ?????100 mSv?AHARS??
- ?????????????????ICRP????????????????????1 ?????0.1 mSv?ALARA??

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????????????

??AHARS : As High As Relatively  
Safe?1??ICRP? ?????????????????2007 ?? ICRP ???  
103????????????????????ALARA : As Low As Reasonably Achievable????????????????????1 ???  
1 mSv ????? ALARA ?????????????????AHARS?? 1000 ?????????????????????????????????

????2011?4?5?????????TEPCO????????????100????????? 1?1500  
??  
??ALARA ?????????????????

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ALARA????????????ALARA??  
????????????????????ALARA ?????ICRP ?????????????????????????????







150mSv 1 mSv

1000 mSv 60

?? : ?????????????????

Radiation and Reason Public Trust in Nuclear Energy

- ARS
  - DNA
- 1950 2000 5% 95%

The Fukushima Tragedy

4 1. 2. 3. 4.

237 7000 mSv 28 ARS 4000 mSv 2000 mSv

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2. ?????????????

??4?, ?? 8?  
mSv?? Radiotherapy Dose  
Fractionation??

?? 1000 mSv  
??

?????DNA ??? 2?mSv  
??

3. ?????????????

1950 ???100 mSv  
??  
??4. ???

4. ?????????????????

??1910 ??? 1950  
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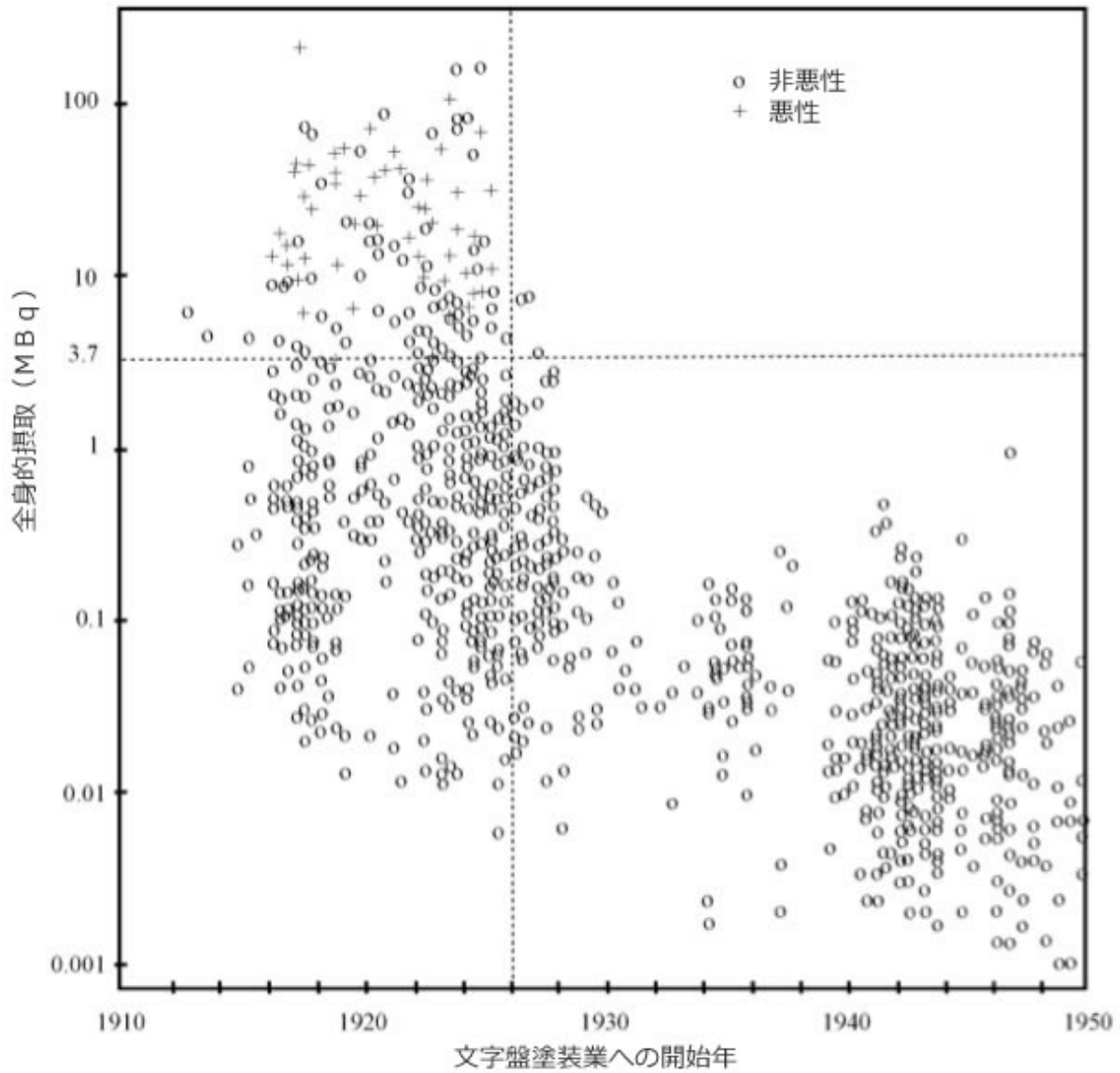
??5  
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????????+????????????????3.7 MBq ?????????????????????????????????????o????????1926  
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????????????????????370?Bq ???1 ??? 1300 mSv  
????????????

??DNA  
????????????????????DNA  
??  
????????????1 ??? 1300 mSv ?????????????????????????????????????





5. 1926年 3.7 MBq [Radford et al. 1926] Radium in Humans: A Review of US studies. further data and comment [Radford et al. 2004].

1. 1926年 3.7 MBq

100 mSv 100 mSv  
 5000 mSv  
 Radiation and Reason

6000 15

2012年 30年

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