

**Table 2.3. Studies of miners exposed to radon and progeny – effect of smoking**

| Study<br>(Type of mine)  | Lung cancers  | Lung cancers among non-smokers | Interaction   | Ratio of ERR/WLM non-smoker/smoker | Relative risk from smoking   | Reference                           |
|--------------------------|---|--------------------------------|---|------------------------------------|------------------------------|-------------------------------------|
| Sweden (iron)            | 51  | 24*                            | additive  |                                    |                              | Radford & Renard (1984)             |
| New Mexico               | 52  | n.a                            | Multiplicative-could not access abstract or article |                                    |                              | Samet et al. (1989)                 |
| Newfoundland (fluorspar) | 90  | 19**                           | multiplicative                                      |                                    |                              | Morrison et al. (1998)              |
| Colorado                 | 292   | 25                             | intermediate  | 3.2                                |                              | Hornung et al. (1998)               |
| China (tin)              | 907<br>The abstract says there were 74 male lung cancer cases | 25                             | intermediate  |                                    |                              | Lubin et al. (1990)                 |
| Radium Hill              | n.a.  | 1                              | (not estimated)                                     |                                    |                              | Woodward et al. (1991)              |
| 6 studies combined       |   | 64                             | submultiplicative**                                 | 3.0                                |                              | BEIR VI (1999), Lubin et al. (1995) |
| Czech (shale-clay)       | 22  | 3                              | additive  | 13.5                               | 6.2 could not access article | Sevc et al. (1988)                  |
| Czech (shale-clay+N)     | 55  | 9                              |   | 3.9                                |                              | Placek (1997)                       |
| Beaverlodge              | 46  | 2                              | multiplicative                                      | (not estimated)                    | 2.5                          | L'Abbé et al. (1991)                |
| France                   | 62  | 6                              | (not estimated)                                     | (not estimated)                    | 3.4                          | Leuraud et al. (2007)               |
| Czech (uranium)          | 672   | 54                             | additive  | 3.4                                | 4.1 – 6.6                    | Tomášek et al. (2008)               |

\* including ex-smokers

\*\* submultiplicative: a product that is between additive and multiplicative