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Habitability of the Milky Way revisited

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The discoveries of the last three decades on deep sea and deep crust of planet Earth show that life can thrive in many places where solar radiation does not reach, using chemosynthesis instead of photosynthesis for primary production. Underground life is relatively well protected from hazardous ionizing cosmic radiation, so above mentioned discoveries reopen the habitability budget of the Milky Way, turning potentially habitable even planetary bodies without atmosphere. Considering this, in this work the habitability potential of the Milky Way is reconsidered.

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